San José State University
Department of Mechanical Engineering
ME 273-Finite Element Methods in Engineering, Section 01, Spring 2020

Course and Contact Information

Class Days/Time:	Tuesdays and Thursdays 16:30-17:45
Classroom:	Engineering Building 301
Prerequisites:	BSME or Instructor Consent
Instructor:	Amir Armani

Supplementary Textbooks

1. *Finite Element Modeling and Simulation with ANSYS Workbench*, by X. Chen & Y. Liu, CRC Press, 2014, ISBN 9781439873847.
2. *Finite Element Simulation with ANSYS Workbench 17*, by H. Lee, SDC Publications, 2017, ISBN 9781630570880.

Course Requirements and Assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in University Policy S12-3 at http://www.sjsu.edu/senate/docs/S12-3.pdf.

Programming Project: Students are responsible for working in a team to write an FEA code using any programming language. Details will be provided via separate documentation.

ANSYS Project: Students are responsible for working in a team to do a project using ANSYS. Details will be provided via separate documentation.

ANSYS Presentation: Students are responsible for working in a team to give a presentation about the topic of their project. Details will be provided via separate documentation.

Homework: Homework problems will be assigned corresponding to lecture topics and reading assignments from the textbooks. Late submission receives zero credit. See "Exceptions" below regarding petition for extenuating circumstances.

Exams: There are one midterm and one final exam. All students are expected to complete exams in class as scheduled [(ANS)-3

University Policies

General Expectations, Rights and Responsibilities of the Student

Tentative Course Schedule

Week	Topics
1	Course organization, Introduction
2	Intro8.88 707.64 39.84 14.4 re W n BT /TT1 1 Tf 0.002 R267 0 Td [(o)-2 (f)]TJ 0 Tc 0 T